

===== WPI =====

TI - Image processing method for medical diagnostic imaging appts e.g. X-ray  
CT - inhibits edge enhancement when degree of extracted edge area is  
larger than predetermined threshold value

AB - J09062836 The method involves extracting an edge area from an original  
picture image.  
- When the degree of the extracted edge area is larger than a  
predetermined threshold value, the edge enhancement operation is  
inhibited.  
- ADVANTAGE - Prevents superfluous edge enhancement. Obtains legible and  
convenient image for diagnosis.  
- (Dwg.1/23)

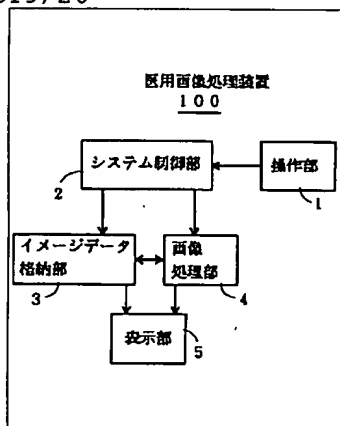
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PA - (YOKM ) YOKOGAWA MEDICAL SYSTEMS LTD  
MC - S05-D02A1 S05-D02A5E T01-J06A T01-J10B1  
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===== PAJ =====

TI - PICTURE PROCESSING METHOD AND PICTURE PROCESSOR

AB - PROBLEM TO BE SOLVED: To provide a clear picture by suppressing or  
preventing edge emphasis for an edge area whose degree of an edge is  
large and executing edge emphasis for an area which is not large.  
- SOLUTION: A medical picture processor 100 is provided with an operation  
part 1 receiving the instruction and the selection of an operator, a  
system control part 2 controlling the operation of respective parts, an  
image data storage part 3 storing an original medical picture and a new  
medical picture obtained by picture-processing the original picture, a  
picture processing part 4 executing an excessive emphasis preventing  
edge emphasis processing and a display part 5 displaying the medical  
picture. In such a case, the smoothing picture element value is obtained  
by using an original picture element value, the picture element value of  
a picture element near a notice picture element and a smoothing space  
filter. Then, a differential picture element value is obtained by  
subtracting the smoothing picture element value from the original  
picture element value. It is judged whether the degree of the edge is  
large or not from the differential picture element value. Edge emphasis  
is not executed on the picture element whose degree of the edge is large.  
Edge emphasis is executed on the picture element whose degree is not  
large.

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